

FIBERSHIELD™ STEELPATCH ARMORED CABLES

Ideal for Data Centers

ENGINEERED TO PROVIDE OVER FIVE TIMES THE STRENGTH OF TRADITIONAL FIBER OPTIC CABLES



SPECIFICATIONS

CONSTRUCTION

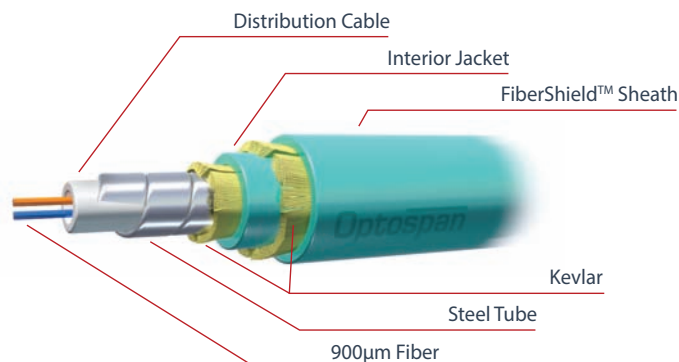
Fiber Count	2 (Duplex) or 1 (Simplex)
Outer Jacket	4.5mm ± 0.2mm
Inner Jacket	3.0mm ± 0.2mm
Helical Armored Layer	2.2mm ± 0.1mm
Optical Fibers	1.4mm ± 0.1mm
Aramid Yarn	1100D (2x)
Net-weight	33 Kb/km

FIBER PERFORMANCE

Core Diameter	9.2 μm (OS2)	50 μm (OM4)
Cladding Diameter	125 ± 1 μm	
Cladding Non-Circularity %	≤ 0.7%	
Coating Diameter	245 ± 5 μm	
Zero Dispersion Wavelength	1302-1322 nm	

CABLE PERFORMANCE

Attenuation	Single-mode ≤0.3dB @ 1550nm, ≤0.4dB @ 1310nm Multimode ≤3.5dB @ 850nm, ≤1.5dB @ 1300nm	
Operating Temperature	-20°C ~ +60°C	
Bend Radius	Dynamic 90mm, Static 45mm	
Tensile	Long-Term 80N, Short-Term 150N	
Crush	Long-Term 150N/100mm Short-Term 500N/100mm	



SPECIALTY OPTIONS

LCElite™ Ultra Low Loss

UltraHD™ EZ-Tab

FieldSwitch™ Uniboot



Custom Configurations Available

AVAILABILITY

Connectors	LC, SC, FC, ST
Fiber Types	OM4 - 50/125μm 10G/100G (Aqua) OS2 - 9/125μm 10G/100G (Yellow)
Jacket/Coating	Riser (OFNR), Plenum (OFNP)
Stock Lengths (meters)	1, 2, 3, 5, 7, 10, 15, 20, 25, 30, 40 50, 60, 75, 100, 125, 150, 200, 300

APPLICATION

- Fiber to desktop
- Harsh environments where a traditional fiber optic patch cable may fail
- Ideal for ceiling runs, raised floors, and runs between floors

COMPLIANCE

- MIL-STD-810F Compliant
- IEC Compliant

